INCINERATOR AND FLARE STACK SULFUR DIOXIDE ANNUAL EMISSION INVENTORY REPORT - NATURAL GAS PROCESSING PLANTS

NORTH DAKOTA DEPARTMENT OF HEALTH
DIVISION OF AIR QUALITY
SFN 50596 (12-05) (AP-307)

GENERAL

Name of Firm or Organization		Year of Emissions	
Mailing Address	City	State	ZipCode
Facility Location	Permit to Operate Number	Plant Hours of Operation	

OPERATIONAL DATA

Component	Quantity
INLET (WET) GAS RECEIVED	Million Cu. Ft
NATURAL GAS PRODUCED	Million Cu. Ft.
SULFUR RECOVERED	Long tons/year

INCINERATOR/FLARE DATA

Gas Type	Quantity (Million Cu. Ft./Year)	Average H2S Mole %	Flare or Incineration Duration (Hours)
TAIL GAS INCINERATED			
ACID GAS FLARED			
INLET (WET) GAS FLARED			

SULFUR DIOXIDE EMISSIONS

Emission Point	Pounds Per Hour (Average)	Tons Per Year *
INCINERATOR STACK		
ACID GAS FLARE STACK		
INLET (WET) GAS FLARE STACK		
	TOTAL	

* SO_2 emissions may be calculated with the following equation:

$$Tons\ SO_2 = \frac{Ft^3\ Gas\ Burned}{Year} \times \frac{H_2S\ mole\ \%}{100} \times \frac{1\ lb\ mole\ SO_2}{1\ lb\ mole\ H_2S} \times \frac{1\ lb\ mole\ H_2S}{385.3\ ft^3\ **} \times \frac{64\ lb\ SO_2}{1\ lb\ mole\ SO_2} \times \frac{1\ ton}{2000\ lb}$$

Provide additional calculations on back of sheets or additional sheets as necessary.

** 68℉ at standard conditions.

I declare under the penalties of perjury that this report has been examined by me and to the best of my knowledge is a true, correct and complete report.

Print Name of Person Submitting Report	Title	
Signature	Telephone Number	Date

Return completed form to:

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